



## TDS Polyfort™ PPH MT40 LE H2

### Polypropylene Homopolymer

#### Product

40% talc-filled PP-Homopolymercompound, low emission and low odour

#### General

Material Status	Pending Approval		
Availability	Africa & Middle East Latin America	Asia Pacific North America	Europe
Filler / Reinforcement	Talc, 40% Filler by Weight		
Features	Heat Stabilized Low Fogging	Low Emissions Low Odor	Homopolymer
Processing Method	Injection Molding		
Resin ID (ISO 1043)	PP-H 40T LE		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.25 g/cm <sup>3</sup>	1.25g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	0.366 in <sup>3</sup> /10min	6.00 cm <sup>3</sup> /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	580000 psi	4000 MPa	ISO 527-2/1A/1
Tensile Stress (Break)	4060 psi	28.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.4 %	3.4 %	ISO 527-2/1A/5

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	0.86 ft·lb/in <sup>2</sup>	1.8 kJ/m <sup>2</sup>	
73°F (23°C)	1.4 ft·lb/in <sup>2</sup>	3.0 kJ/m <sup>2</sup>	

## TDS Polyfort™ PPH MT40 LE H2

### Polypropylene Homopolymer

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	5.2 ft·lb/in <sup>2</sup>	11 kJ/m <sup>2</sup>	
73°F (23°C)	10 ft·lb/in <sup>2</sup>	22 kJ/m <sup>2</sup>	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	266°F	130°C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	169°F	76°C	ISO 75-2/Af
Vicat Softening Temperature			
--	311°F	155°C	ISO 306/A50
--	194°F	90°C	ISO 306/B50

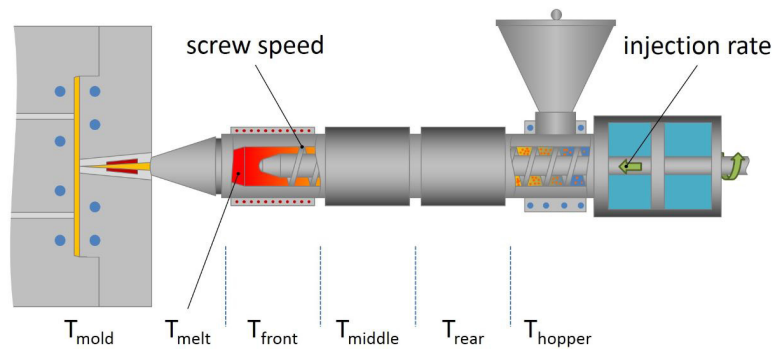
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate	<3.9 in/min	<100 mm/min	ISO 3795
Flammability Rating			UL 94 IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

<b>Additional Information</b>			
1) Not for use in food contact applications			
2) Not for use in medical or pharmaceutical applications			

## TDS Polyfort™ PPH MT40 LE H2

### Polypropylene Homopolymer



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176°F	80°C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Suggested Max Regrind	20%	20%
Processing (Melt) Temp	446 to 518°F	230 to 270°C
Mold Temperature	104 to 158°F	40 to 70°C

#### Injection Notes

\*Drying normally not necessary

Low Emission grades are sensitive for shear-stress. Processing parameters determine the emission- and odor properties of the finished parts. Therefore moderate temperatures and moderate injection- and dozing rates are recommended.